Standard (L-Shaped) Splice Plates					
• One pair including hardware provided with each see (Expansion splice quantity subtracted)	ction.	-	Tray Series	Catalog	
• Furnished in pairs with hardware.		-		-	-
• Prepackaged in pairs in a plastic bag, with hardware	e. 🔰 🌔 💡		148	9(*)-4	
• 4-hole pattern L-shaped splice plates.	6	<u>e</u>	156 166	9(*)-4 9(*)-4	
• L-shaped lay-in design.	2		176	9(*)-4	
• (*) Insert ZN or G		-	170	3()-4	007
Expansion (L-Shaped) Splice Plates					
• Expansion plates allow for one inch expansion	Ő	-	Tray		
or contraction of the cable tray, or where expansion joints occur in the supporting structure.			Series	Catalog	g No.
Bonding Jumpers are required on each side rail.		-	148	9(*)-4	014
Order Separately.		10	156	9(*)-4	015
• L-shaped lay-in design.			166	9(*)-4	016
 Furnished in pairs with hardware. (*) Insert ZN or G 	N. C.	-	176	9(*)-4	017
Universal Splice Plates					
Used to splice to existing cable tray systems.		-	Tray		
• Furnished in pairs with hardware.			Series	Catalog	g No.
• (*) Insert 🕑 or 🕒		1	148	9(*)-200	-
			156	9(*)-200	
			166	9(*)-200	
	e		176	9(*)-200	
Step Down Splice Plates					
• These splice plates are offered for connecting cable		-	Tray		
tray sections having side rails of different heights.			Series	Catalog	a No.
• Furnished in pairs with hardware.			156 to148	9(*)-8	-
• (*) Insert ZN or G	000	1	66 to 156 or 148	9(*)-8	
			76 to 156 or 148	9(*)-8	
	0		176 to 166	9(*)-8	
		-	170 10 100	5() 0	000
Vertical Adjustable Splice Plates		_			
• These plates provide for changes in elevation that do not conform to standard vertical fittings.	0 0 00	-	Tray Series	Catalog	
 Bonding jumpers not required. 	0 0 0 0 0				
• Furnished in pairs with hardware.	0 0 0 0 0		148	9(**)-7	
• (*) Insert ZN or G			156 166	9(*)-8 9(*)-8	
• (* *) Insert 🕑 or Ġ	lequires supports within		176	9(*)-8 9(*)-8	
	4" on both sides, per NEMA	AVE 2. –	176	9(*)-8	020
Horizontal Adjustable Splice Plates	9(*)-803(X)-12 or 9(*)-803(X)-36 e pair splice plates with extensions.				
 Offered to adjust a cable tray run for changes 					
in direction in a horizontal plane that do		Catalog	Cable Tray	Tray	
 Furnished in pairs with hardware. 		No.	End Cut	Width	'Ľ'
		9(*)-803(X)	Mitered	Thru 36"	N/A
• boliding jumpers \underline{not} required.			2 Not mitered	Thru 12"	16"

- (*) Insert ZN or G
- (X) Insert 4 for series 148 or 156, 5 for series 166, or 6 for series 176

• Green = Fastest shipped items

H-7

All dimensions in parentheses are millimeters unless otherwise specified.

Black = Normal lead-time items

a and a so

9(*)-803(X)

Splices only

9(*)-803(X)-12

9(*)-803(X)-36

Requires supports within 24"

on both sides, per NEMA VE 2.

Thru 12"

Thru 36"

16"

41"

Eaton

Tray	
Series	Catalog No.
148	9(**)-7024
156	9(*)-8024
166	9(*)-8025
176	9(*)-8026

Not mitered

Not mitered

Red = Normally long lead-time items

• (*) Insert ZN or 6		166 176	9(*)-8075-(‡) 9(*)-8076-(‡)
 Blind End This plate forms a closure for a dead end cable tr Furnished as one plate with hardware. 	ay.	Tray Series	Catalog No.
• (‡) Insert tray width		148	9(*)-8084-(‡)
• (*) Insert P or G	0	156	9(*)-8084-(‡)
	2	166	9(*)-8085-(‡)
	V	176	9(*)-8086-(‡)
Tray Hardware Pre-Galvanized Tray Hardware			
	Hot Dip Galvanize	ed Tray Hardware	1
Catalog No. ● RNCB ³ /8"-16 x ³ /4" Znplt Ribbed Neck Carriage Bolt ASTM A307 Grade	Catalog No. ● RN	ed Tray Hardware ICB 3/8"-16 x 3/4" C romium Zinc ASTM	Z Ribbed Neck
Catalog No. ● RNCB ³ /8"-16 x ³ /4" Znplt	Catalog No. • RN A Carriage Bolt Chr	ICB 3/8"-16 x 3/4" C romium Zinc ASTM :HN 3/8"-16 CZ Serr	Z Ribbed Neck
Catalog No. • RNCB ³ /8"-16 x ³ /4" Znplt Ribbed Neck Carriage Bolt ASTM A307 Grade / Catalog No. • SFHN ³ /8"-16 Znplt Serrated Flange Hex Nut ASTM A563 Grade A Finish: Zinc Plated ASTM B633, SC1	A Catalog No. • RN Carriage Bolt Chr Catalog No. • SF Chromium Zinc A	ICB 3/8"-16 x 3/4" C romium Zinc ASTM :HN 3/8"-16 CZ Serr	2 Ribbed Neck F-1136-88 rated Flange Hex Nut

Series 1 Steel

n used singly with a standard splice plate they form			
ffset reduction.	0.01	148	9(*)-8064-(‡)
ished as one plate with hardware.	14 00	156	9(*)-8064-(‡)
nsert reduction	ل ا لم	166	9(*)-8065-(‡)
nsert 🕑 or G		176	9(*)-8066-(‡)
to Box Splice Plates			
d to attach the end of a cable tray		Tray	
to a distribution box or control panel.		Series	Catalog No.
ished in pairs with hardware. nsert 🕑 or 🌀	0 0 0 0 0	148	9(*)-8054
	0 0 0	156	9(*)-8054
		166	9(*)-8055
		176	9(*)-8056
e Type Box Connector			
gned to attach the end of a cable tray run to	20	Tray	
tribution cabinet or control center to help	00 00	Series	Catalog No.
orce the box at the point of entry. ished with tray connection hardware.	······································	148	9(*)-8074-(‡)
nsert tray width	9000	156	9(*)-8074-(‡)
nsert ZN or G	9.20	166	9(*)-8075-(‡)
		176	9(*)-8076-(‡)
End	*		
plate forms a closure for a dead end cable tray.	0	Tray	
ished as one plate with hardware.		Series	Catalog No.
nsert tray width		148	9(*)-8084-(‡)
nsert P or G	0	156	9(*)-8084-(‡)
	0	166	9(*)-8085-(‡)
		176	9(*)-8086-(‡)
Hardware			
Galvanized Tray Hardware	Hot Dip Galvanize	ed Tray Hardware	
alog No. ● RNCB ³ /8"-16 x ³ /4" Znplt	Catalog No. 🔵 RN	NCB 3/8"-16 x 3/4" C	Z Ribbed Neck
bbed Neck Carriage Bolt ASTM A307 Grade A	Carriage Bolt Ch	romium Zinc ASTM	F-1136-88
0			

Offset Reducing Splice Plate • This plate is used for joining cable trays having different

Branch Pivot Connectors

• Pivot to any required angle.

• UL Classified for grounding

• (*) Insert **ZN** or **G**

(bonding jumpers are <u>not</u> required). • Furnished in pairs with hardware.

• Branch from existing cable tray runs at any point.

- widths. When used in pairs they form a straight reduction; when used singly with a standard splice plate they form an off
- Furnis
- (‡) Ins
- (*) Ins

Tray to

- Used run to
- Furnis
- (*) Ins

Frame

• Desig a distr reinfo

- Furnis
- (‡) Ins

Catalog No.

9(*)-8244

9(*)-8245

9(*)-8246

Catalog No.

Tray

Series

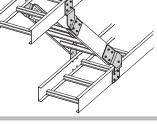
156 to 148

166

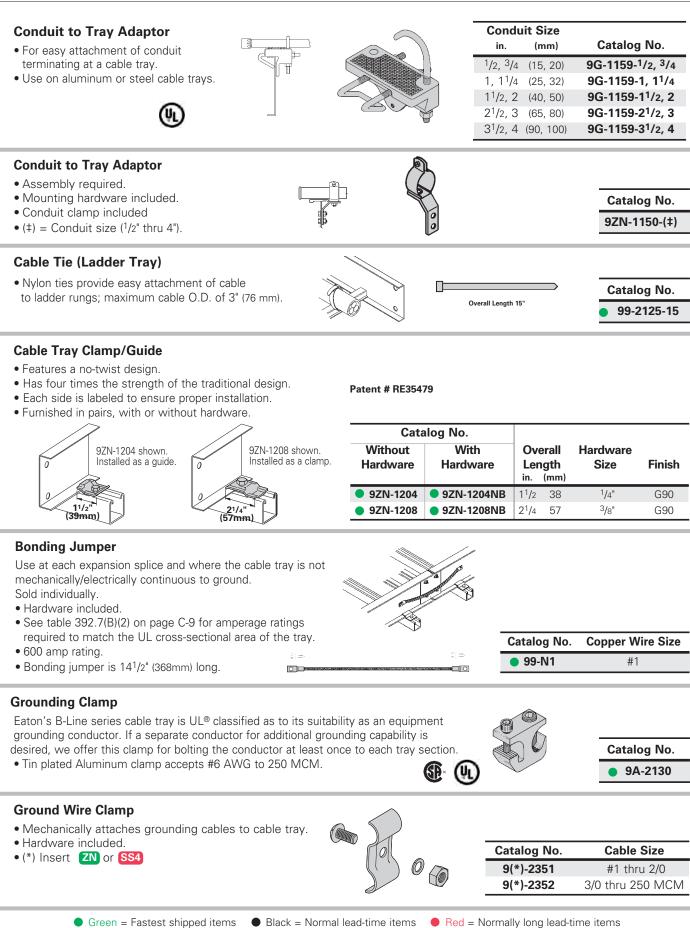
176

Tray

Series



Series 1 Steel - Accessories



Eaton

Series 1 Steel

Threaded Rod (ATR) & Rod Coupling

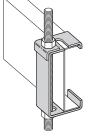
- Loading based on safety factor 5.
- Standard Finish: Zinc plated

		Size	Loading Ibs. (kN)	Threaded Rod Catalog No.	Available Lengths in. (mm)	Coupling Cat. No.
The second se		³ /8-16	730 (3.25)	• ATR ³ /8 x Length	36, 72, 120, 144 (914, 1829, 3048, 3657)	• B655- ³ /8
	<u>O</u>	¹ /2-13	1350 (6.00)	● ATR ³ /8 x Length	36, 72, 120, 144 (914, 1829, 3048, 3657)	• B655- ¹ /2
		So	n R-Linn sori	as Strut Systems Catalor	a for other sizes and f	inichoc

See B-Line series Strut Systems Catalog for other sizes and finishes.

Hanger Rod Clamp

- For 1/2" ATR.
- Furnished in pairs.
- Order ATR and hex nuts separately.
- Two piece "J"-hanger design.
- 9ZN-1113 has 275 lbs./pair safety factor 3.
- 9ZN-532(X) has 1500 lbs./pair safety factor 3.



Tray	
Series	Catalog No.
148	9ZN-1113
156	9ZN-5324
166	9ZN-5325
176	9ZN-5326

Catalog No.

Wall

Mount

•9ZN-5106-WB

•9ZN-5109-WB

•9ZN-5112-WB

•9ZN-5118-WB

•9ZN-5124-WB

Center Hung

or Trapeze

9ZN-5106

9ZN-5109

9ZN-5112

9ZN-5118

9ZN-5124

For Cable Tray

Width

6

9

12 (305)

18 (452)

24 (609)

in. (mm)

(152)

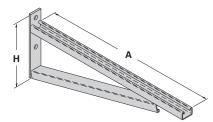
(226)

Support Bracket

- Designed for center hung or trapeze supports.
- Used with ladder or vented bottom tray only.
- Can be purchased as a wall mounted bracket.Load capacity is 600 lbs. (272.1 kg),
- Load capacity is 600 lbs. (272.1 kg), safety factor 3.
- All components are zinc plated.
- 1/2" threaded rod and 1/2" hex nuts not included.

Cantilever Bracket (12" - 42")

- Finishes available: ZN GRN or HDG
- Safety Load Factor 2.5



Bottom brace is B42 channel on B494-24 and smaller and B22 channel on B494-30 and larger

Catalog	Uniform Load	Tray Width	'A'	'H'
No.	lbs (kN)	in. (mm)	in. (mm)	in. (mm)
• B494-12	2500 (11.12)	6 & 9 (152 & 229)	12 (305)	8 ³ /4 (222)
B494-18	1700 (7.56)	12 (305)	18 (457)	8 ³ /4 (222)
• B494-24	1300 (5.78)	18 (457)	24 (610)	8 ³ /4 (222)
B494-30	1600 (7.11)	24 (610)	30 (762)	11 ¹ /4 (286)
B494-36	1100 (4.89)	30 (762)	36 (914)	11 ¹ /4 (286)
B494-42	980 (4.36)	36 (914)	42 (1067)	16 (406)

For more dimensional data see Strut Systems catalog

Patent No

5,100,086

Green = Fastest shipped items

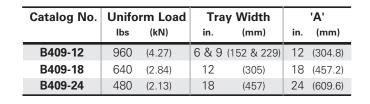
Black = Normal lead-time items
Red = Normally long lead-time items

Series 1 Steel - Accessories

Cantilever Bracket

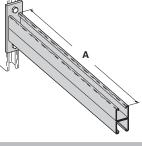
Finishes available:
ZN GRN (HDG) SS4 or SS6
Safety Load Factor 2.5





Cantilever Bracket

- Finishes available:
 ZN GRN HDG or SS4
- Safety Load Factor 2.5



Catalog No.	Uniform Load		Tray Width		'A'	
	lbs	(kN)	in.	(mm)	in.	(mm)
B297-30	665	(2.95)	24	(609.6)	30	(762.0)
B297-36	550	(2.44)	30	(762.0)	36	(914.4)
B297-42	465	(2.06)	36	(914.4)	42	(1066.8)

Underfloor Support (U-Bolts not included)

Fits Pipe O.D.

1.051 - 1.315

1.316 - 1.660

1.661 - 1.900

1.901 - 2.375

2.376 - 2.875

.841 - 1.050

- Finishes available: ZN
- Safety Load Factor 2.5

U-Bolt Size

B501-3/4

B501-1

B501-11/4

B501-11/2

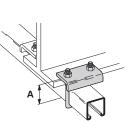
B501-21/2

B501-2

• Order properly sized U-Bolts separately.

Beam Clamp

- Finishes available: ZN or HDG
- Sold in pieces with hardware.
- Design load when used in pairs. Safety Load Factor 5.0



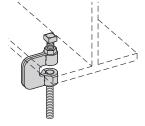
Catalog No.	Uniform Load Ibs (kN)		Tra in.	y Width (mm)	'A' in. (mm)	
B409UF-12	800	(3.55)	6&9	(152 & 229)	12	(304.8)
B409UF-21	450	(2.00)	12 & 18	3 (305 & 457)	21	(533.4)

Catalog No.	Design	Load*		Α'
	lbs	(kN)	in.	(mm)
B441-22	1200	(5.34)	3 ³ /8	(86)
B441-22A	1200	(5.34)	5	(127)

Steel C-Clamp With Locknut

(UL)

- Finishes available:
- **ZN** for 3/8 & 1/2
- **ZN** for 5/8 & 3/4
- SS4 all sizes
- Safety Load Factor 5.0



Catalog Number	Rod Size	Design Load Ibs (kN)	
B351L- ³ /8	³ /8"-16	300	(0.89)
B351L- ¹ /2	¹ /2"-13	380	(1.69)
B351L- ⁵ /8	⁵ /8"-11	550	(2.44)
B351L- ³ /4	³ /4"-10	630	(2.80)

• Green = Fastest shipped items • Black = Normal lead-time items • Red = Normally long lead-time items

Beam Clamp

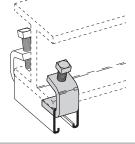
- Finishes available: ZN GRN or HDG
- Setscrew included.
- Sold in pieces.
- Design load when used in pairs. Safety Load Factor 5.0



Cat. No.	B210		B2	10A
Design Load	800 lbs	. (3.56kN)	300 lbs	. (1.33kN)
Tap Size	¹ /2"-13		3/8	3"-16
Mat'l. Thickness	3/8"	(9.5mm)	1/4"	(6.4mm)

Beam Clamp

- Finishes available: ZN GRN or HDG
- Setscrew included.
- Sold in pieces.
- Design load when used in pairs. Safety Load Factor 5.0



Cat. No.	B2	12- ¹ /4	B21	2- ³ /8
Design Load	800 lbs	s. (3.56kN)	1000 lbs	s. (4.45kN)
Max. Flange Thick.	3/4"	(19.0mm)	1 ¹ /8"	(28.6mm
Mat'l. Thickness	1/4"	(6.4mm)	3/8"	(9.5mm)

B305 Thru B308 & B321 Series Beam Clamps

- Finishes available: ZN or HDG
- Setscrew included.
- Safety Load Factor 5.0

	B	
	↓ - E - •	*
A	F►	Ť

Cat.	Α	В	C		[)		E		F	T		Desig	1 Load
No.			in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	lbs	(kN)
B305	³ /8"-16	³ /8"-16	2 ⁵ /16	(58.7)	7/8	(22.2)	1 ¹ /8	(28.6)	21/2	(63.5)	11 Ga.	(3.0)	600	(2.67)
B306	³ /8"-16	¹ /2"-13	2 ⁷ /16	(61.9)	7/8	(22.2)	1 ¹ /8	(28.6)	21/2	(63.5)	7 Ga.	(4.5)	1100	(4.90)
B307	¹ /2"-13	¹ /2"-13	2 ⁷ /16	(61.9)	7/8	(22.2)	1 ¹ /8	(28.6)	21/2	(63.5)	7 Ga.	(4.5)	1100	(4.90)
B308	¹ /2"-13	¹ /2"-13	2 ⁹ /16	(65.1)	7/8	(22.2)	1 ¹ /8	(28.6)	21/2	(63.5)	1/4	(6.3)	1500	(6.68)
B321-1	³ /8"-16	¹ /2"-13	3 ⁹ /16	(90.5)	1 ¹¹ /16	(42.8)	1 ⁵ /8	(41.3)	31/4	(82.5)	1/4	(6.3)	1300	(5.79)
B321-2	¹ /2"-13	¹ /2"-13	3 ⁹ /16	(90.5)	1 ¹¹ /16	(42.8)	1 ⁵ /8	(41.3)	31/4	(82.5)	1/4	(6.3)	1400	(6.23)

B312 Anchor Strap

Шu

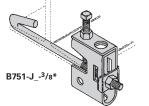
- Finishes available: ZN or HDG
- For a maximum beam thickness of 3/4".
- For thicker beams, step up one flange width size.

	Cat. No.	Flange Width in. (mm)
7	B312-6	Up to 6 (up to 152.4)
	B312-9	6 - 9 (152.4 to 228.6)
	B312-12	9 - 12 (228.6 to 304.8)

B751 Bottom Beam Clamp and Accessories Setscrew included. Loading position A - 500 lbs. • Finish available: ZN Loading position B - 300 lbs.



Safety Load Factor 5.0



B751 0 Position B Position A

		Assen	nbly No.	B751	B701J_	B752	B753
	(B)	Fits Fla	nge Sizes (mm)	Clamp,Setscrew & J-Hook	J-Hook,Clip & Square Nut	Swivel & Bolt Only	Swivel Nut Only
	L.	4 - 5 ⁷ /8	(101 - 149)	• B751-J4- ³ /8*	• B701-J4- ³ /8		• B753-**
B753		6 - 8 ⁷ /8	(152 - 225)		• B701-J6- ³ /8	B752	B753-**
Provides a full 15° swivel in any direction. (State	B752	9 - 11 ⁷ /8	(228 - 301)	• B751-J9- ³ /8*	• B701-J9- ³ /8	• B752	• B753-**
the desired rod size.)		* Clamp Asser	mbly complete	with J-Hook Assembly.	Setscrew included.	** Insert 1/4, 3/8 or 1/2 fo	or the desired rod size.

Green = Fastest shipped items
 Black = Normal lead-time items
 Red = Normally long lead-time items

Series 1 Steel - Accessories

Trapeze Support Kit

Trapeze kits provide the components required for a single trapeze support in one package. These kits are available in pre-galvanized steel with zinc-plated hardware or hot dip galvanized steel with 316 stainless steel hardware.

The SH channel provides the convenience of pre-punched slots, which eliminate the need for field drilling.

The il the cl in the

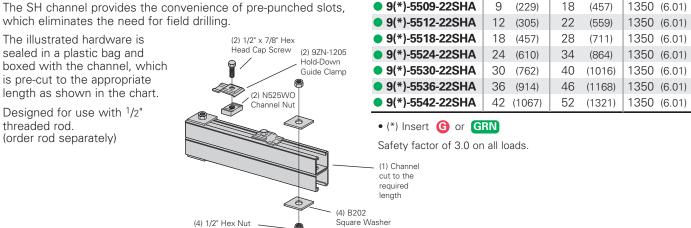
Desig (order

illustrated hardware is s	sealed in a plastic h	ad and boxed with	9(*)-5512-22SH(+)	12	(305)
channel, which is pre-cu			9(*)-5518-22SH(†)	18	(457)
e chart.		s longti us shown	9(*)-5524-22SH (†)	24	(610)
aned for use with 1/2" t	breaded rod	(2) 9ZN-1205	9(*)-5530-22SH(†)	30	(762)
		Hold-Down Guide Clamp	9(*)-5536-22SH (†)	36	(914)
, ,			9(*)-5542-22SH(†)	42	(1067)
	(2) 1/2 x //s Hex - Head Cap Screw (4) 1/2" Hex Nu	(2) N525WO Channel Nut	 (*) Insert P or G (†) Insert ³/₈ for ³/₈" t Safety factor of 3.0 on (1) B22 Channel cut to the required length (4) B202 Square Washer 		
gned for use with ¹ /2" t r separately)	(2) 1/2" x 7/8" Hex Head Cap Screw	Hold-Down Guide Clamp (2) N525WO Channel Nut	 9(*)-5530-22SH(t) 9(*)-5536-22SH(t) 9(*)-5542-22SH(t) (*) Insert P or G (†) Insert ³/8 for ³/8" t Safety factor of 3.0 on (1) B22 Channel cut to the required length (4) B202 	30 36 42 hread	(1 (1

Heavy Duty Trapeze Sup	port	Kit
------------------------	------	-----

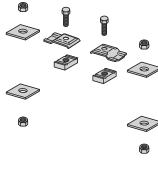
Trapeze kits provide the components required for a single trapeze support in one package. These kits are available in Dura Green[™] epoxy coated steel with zinc-plated hardware or hot dip galvanized steel with 316 stainless steel hardware.

The SH channel provides the convenience of pre-punched slots, which eliminates the need for field drilling.



Trapeze Hardware Kit

Kit sold in plastic bag.



Catalog No.				
9ZN-5500 -1/2	9G-5500- ¹ /2			
 (1) pr. 9ZN-1205 (2) HHC Screw ¹/"₂ x ⁷/8" ZN (2) N525 WO ZN (4) B202 ZN ¹/2" sq washer (4) HN ¹/2" ZN 	 (1) pr. 9G-1205 (2) HHC Screw ¹/2" x ⁷/8" SS6 (2) N525 WO SS6 (4) B202 HDG ¹/2" sq washe (4) HN ¹/2" SS6 			

Green = Fastest shipped items
Black = Normal lead-time items
Red = Normally long lead-time items

All dimensions in parentheses are millimeters unless otherwise specified.

Channel

Length

in.

16

18

22

28

34

40

46

52

Channel

Length

(mm)

(406)

in.

16

rod hardware.

(mm)

(406)

(457)

(559)

(711)

(864)

(1016)

(1168)

(1321)

Tray

Width

in. (mm)

(152)

(229)

6

9

Trav

Width

(152)

in. (mm)

6

Catalog

No.

9(*)-5506-22SH(†)

9(*)-5509-22SH(†)

Catalog

No.

9(*)-5506-22SHA

Uniform

Load

1600 (7.11)

1250 (5.56)

1125 (5.00)

(kN)

(3.85)

(3.11)

(2.62)

(2.27)

(2.00)

lbs

865

700

590

510

450

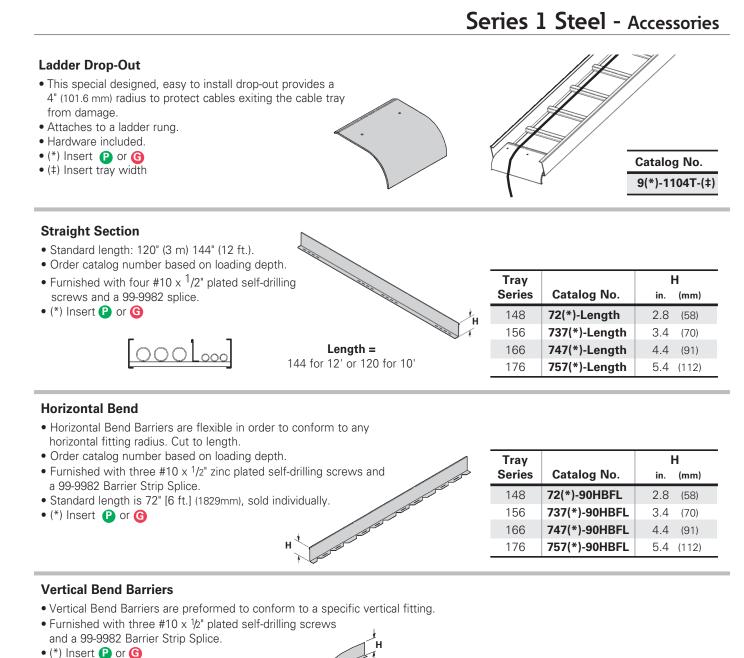
Uniform

Load

1350 (6.01)

lbs

(kN)



Series 1 Steel

н

(mm)

(58)

(70)

(91)

(112)

in.

2.8

3.4

4.4

5.4

Barrier Strip Splice

• (**) Insert 30, 45, 60 or 90 for degrees

• (†) Insert 12, 24, or 36 for radius

• Plastic splice holds adjoining barrier strips in straight alignment.

Inside

Bend

(VI)

• 3" (76.2mm) long



Tray

Series

148

156

166

176

Outside

Bend

(VO)

Catalog No.

Outside Bend

72(*)-(**)VO(†)

737(*)-(**)VO(†)

747(*)-(**)VO(†)

757(*)-(**)VO(†)

Inside Bend

72(*)-(**)VI(†)

737(*)-(**)VI(†)

747(*)-(**)VI(†)

757(*)-(**)VI(†)

Green = Fastest shipped items
Black = Normal lead-time items
Red = Normally long lead-time items